

27419, A NOVEL HUMAN METHYLTRANSFERASE AND
USES THEREFOR

Abstract

5 The invention provides isolated nucleic acids molecules, designated 27419 nucleic
acid molecules, which encode novel methyltransferase family members, preferably arginine
methyltransferase family members. The invention also provides antisense nucleic acid
molecules, recombinant expression vectors containing 27419 nucleic acid molecules, host
cells into which the expression vectors have been introduced, and nonhuman transgenic
10 animals in which a 27419 gene has been introduced or disrupted. The invention still further
provides isolated 27419 proteins, fusion proteins, antigenic peptides and anti-27419
antibodies. Diagnostic methods utilizing compositions of the invention are also provided.